

CENTRAL NEVADA DESERT BASINS, SPRING-STEPTOE VALLEYS

10243700 CLEVE CREEK NEAR ELY, NV

LOCATION.--Lat 39°12'59.68", long 114°31'46.7" referenced to North American Datum of 1983, in SE 1/4 SE 1/4 sec. 27, T.16 N., R.66 E., White Pine County, Hydrologic Unit 16060008, on right bank, 2.3 mi downstream from North Fork, 4 mi southwest of Cleveland Ranch headquarters, and 18 mi east of Ely.

DRAINAGE AREA.--31.8 mi².

PERIOD OF RECORD.--June 1914 to December 1916 (published as Cleveland Creek near Osceola), October 1959 to September 1967, October 1976 to September 1981, December 1982 to September 1987, March 1990 to current year. Crest-stage partial-record station October 1967 to September 1976.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above National Geodetic Vertical Datum of 1929, from topographic map. October 1, 1967, to September 30, 1976, crest-stage gage at same site and datum. Prior to September 13, 1984, at site 1/4 mi upstream, at different datum. Prior to April 18, 1985, at different datum. Prior to October 4, 1985, at datum 2.00 ft lower. From November 19, 1986, at site 75 ft downstream at datum, 5.2 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion above station. Practically entire flow diverted for irrigation by Cleveland Ranch below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 440 ft³/s, May 30, 1983, gage height, unknown; minimum daily, 2.7 ft³/s, December 22, 1990.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft³/s and maximum (*):

	Date	Time	Discharge (ft ³ /s)	Gage height (ft)		Date	Time	Discharge (ft ³ /s)	Gage height (ft)
	May 7	0915	*15	*1.70					

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	5.5	5.0	e5.4	e4.0	e4.8	8.8	9.7	9.3	5.8	5.1	4.9
2	5.7	5.4	5.0	e5.5	e4.1	4.8	9.1	9.7	9.2	5.8	5.3	4.9
3	5.8	5.5	4.9	e5.5	e4.1	5.0	10	11	9.2	5.8	5.0	6.3
4	5.7	5.4	4.7	e5.6	e4.1	4.9	9.6	12	9.2	5.8	5.1	5.5
5	5.8	5.4	4.9	e5.6	e4.1	4.9	9.5	13	9.2	5.7	5.1	5.3
6	5.7	5.4	4.7	e5.6	e4.1	5.1	9.8	14	9.2	5.6	5.0	5.1
7	5.6	5.4	4.8	e5.6	e4.1	5.6	9.8	14	9.2	5.6	5.0	5.0
8	5.4	5.3	4.6	5.6	e4.1	6.0	9.7	14	9.1	5.6	5.0	5.0
9	5.4	5.3	4.5	5.6	e4.1	6.4	9.6	14	9.0	5.5	5.0	5.0
10	5.4	5.1	e4.5	5.4	e4.2	6.6	9.5	14	9.1	5.5	5.2	5.0
11	5.6	5.1	e4.5	5.1	e4.3	6.6	9.5	14	8.8	5.5	4.8	5.1
12	5.7	5.1	e4.5	4.9	e4.3	6.8	9.3	14	8.6	5.4	5.0	5.1
13	5.6	5.4	e4.4	4.9	e4.3	6.8	9.4	13	8.2	5.4	5.1	5.0
14	5.6	5.3	e4.4	4.8	e4.4	7.2	9.5	13	8.1	5.4	5.1	5.0
15	5.6	5.2	e4.2	4.6	e4.5	7.5	9.5	12	8.0	5.5	5.2	5.0
16	5.6	5.3	e4.0	4.4	e4.6	7.5	9.5	12	8.0	5.6	5.4	4.9
17	5.4	5.1	e4.5	4.5	4.6	7.7	9.5	11	8.7	5.7	5.6	4.9
18	5.4	5.1	e4.8	4.7	4.6	7.9	9.5	11	7.3	5.5	5.6	4.9
19	5.5	5.1	e4.9	4.9	4.7	8.5	9.4	11	6.8	5.5	5.5	5.1
20	5.6	5.0	4.9	4.9	4.6	8.8	9.0	11	6.7	5.3	5.8	5.3
21	5.6	5.0	4.9	5.1	4.7	9.3	9.0	11	6.7	5.3	5.4	5.3
22	5.7	4.5	4.7	e5.2	4.7	9.5	8.9	11	6.6	5.4	5.2	5.3
23	5.6	4.2	4.6	e5.2	4.7	9.4	8.6	11	6.6	5.4	5.3	5.2
24	5.4	e4.8	4.7	e5.2	4.6	9.5	8.4	10	6.5	5.3	5.4	5.1
25	5.7	e4.9	5.0	e5.2	4.7	9.4	8.4	10	6.4	5.2	5.2	5.1
26	5.3	e4.9	e5.0	e5.2	4.9	9.4	8.5	9.8	6.3	5.2	5.1	5.0
27	5.2	4.9	e5.0	e5.2	4.8	9.0	8.9	9.6	6.2	5.4	5.1	5.1
28	5.2	5.3	e5.0	5.2	4.7	8.7	9.4	9.6	6.2	5.3	5.1	5.1
29	5.1	5.2	e5.1	5.1	e4.8	8.2	9.9	9.7	6.2	5.1	5.0	5.2
30	5.2	5.1	e5.2	4.6	---	8.1	9.8	9.6	5.9	5.0	5.0	5.3
31	5.4	---	e5.3	e4.1	---	8.3	---	9.4	---	5.0	4.9	---
TOTAL	171.1	154.2	147.2	158.4	128.5	228.2	279.3	358.1	234.5	169.1	160.6	154.0
MEAN	5.52	5.14	4.75	5.11	4.43	7.36	9.31	11.6	7.82	5.45	5.18	5.13
MAX	5.8	5.5	5.3	5.6	4.9	9.5	10	14	9.3	5.8	5.8	6.3
MIN	5.1	4.2	4.0	4.1	4.0	4.8	8.4	9.4	5.9	5.0	4.8	4.9
AC-FT	339	306	292	314	255	453	554	710	465	335	319	305

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

MEAN	7.27	7.20	6.76	6.49	6.80	8.42	12.2	22.0	23.0	10.5	7.92	7.27
MAX	16.8	15.3	12.9	11.5	11.8	15.4	30.3	82.9	117	30.0	21.1	16.2
(WY)	(1985)	(1985)	(1985)	(1984)	(1984)	(1984)	(1984)	(1983)	(1983)	(1983)	(1983)	(1983)
MIN	4.54	4.53	4.27	4.05	4.42	4.58	5.20	6.85	5.63	4.60	3.99	3.75
(WY)	(1993)	(1962)	(1961)	(1960)	(1960)	(1991)	(1991)	(1990)	(1992)	(1992)	(1960)	(1960)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1914 - 2004
ANNUAL TOTAL	2,664.5	2,343.2	
ANNUAL MEAN	7.30	6.40	
HIGHEST ANNUAL MEAN			10.0
LOWEST ANNUAL MEAN			22.2
HIGHEST DAILY MEAN	26	May 28	5.15
LOWEST DAILY MEAN	3.9	Feb 9	280
ANNUAL SEVEN-DAY MINIMUM	4.4	Dec 10	May 30, 1983
MAXIMUM PEAK FLOW		14	Dec 22, 1990
MAXIMUM PEAK STAGE		4.0	3.4
ANNUAL RUNOFF (AC-FT)	5,290	4.1	Dec 18, 1990
10 PERCENT EXCEEDS	12	15	440
50 PERCENT EXCEEDS	5.6	May 7	May 30, 1983
90 PERCENT EXCEEDS	4.9	May 7	1.98
		4.650	May 14, 2001
		9.6	7,250
		5.4	17
		4.6	7.3
			4.9

e Estimated